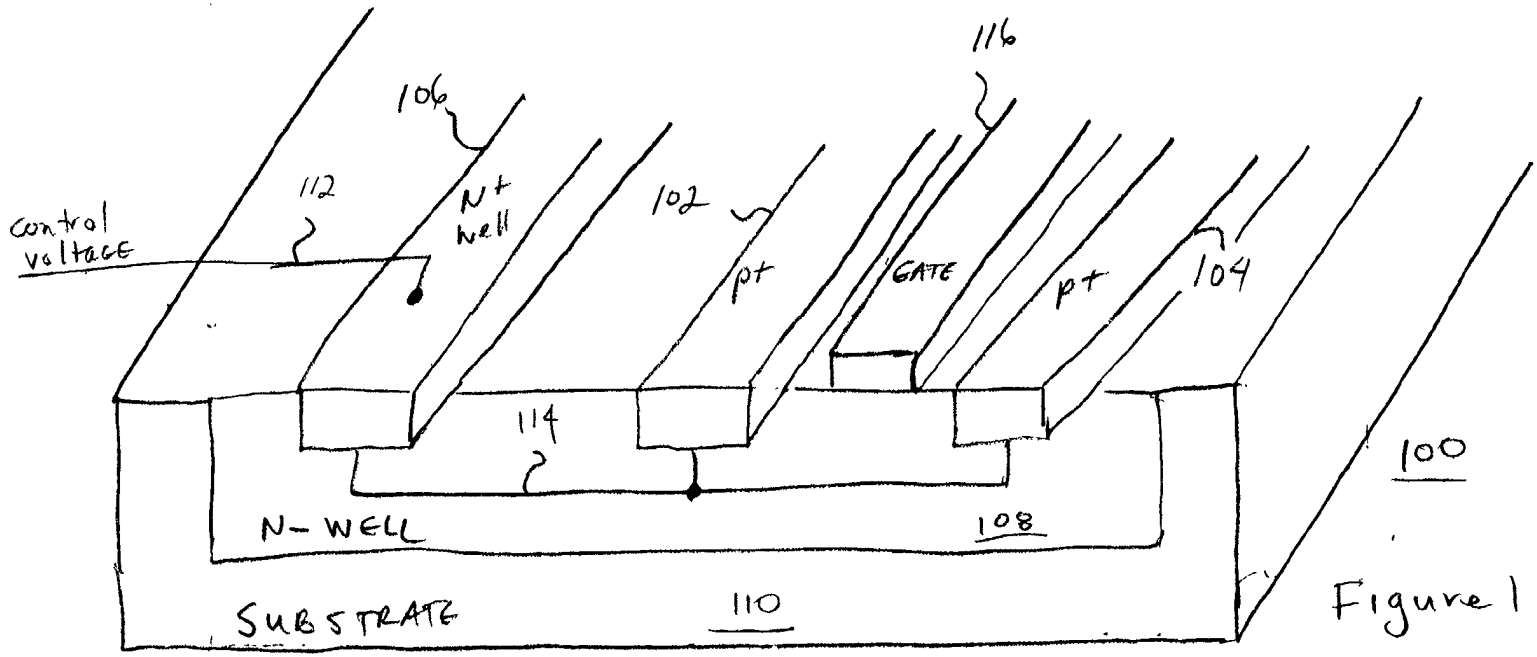


Figure 1

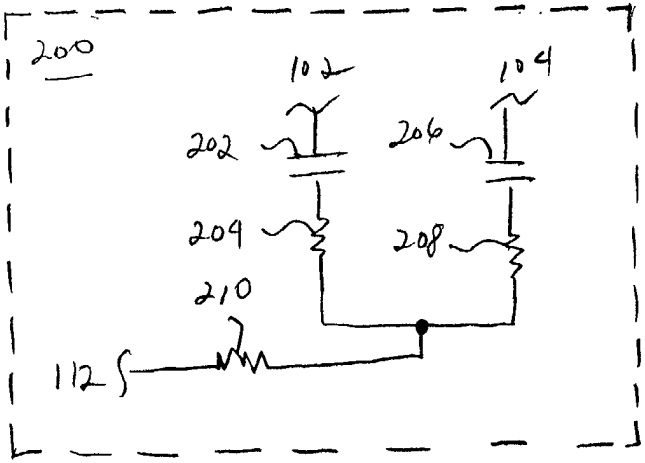


Figure 2

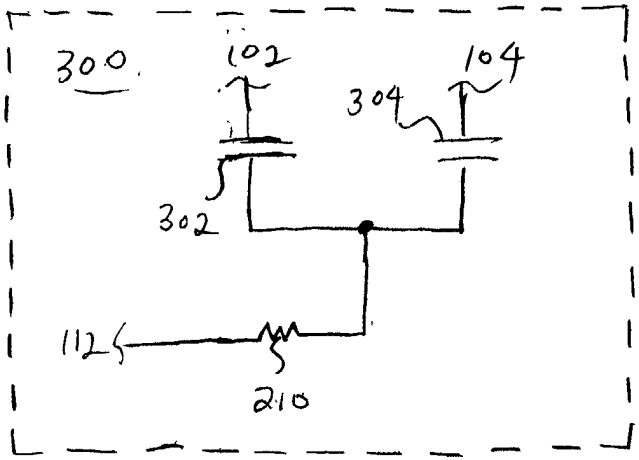


Figure 3

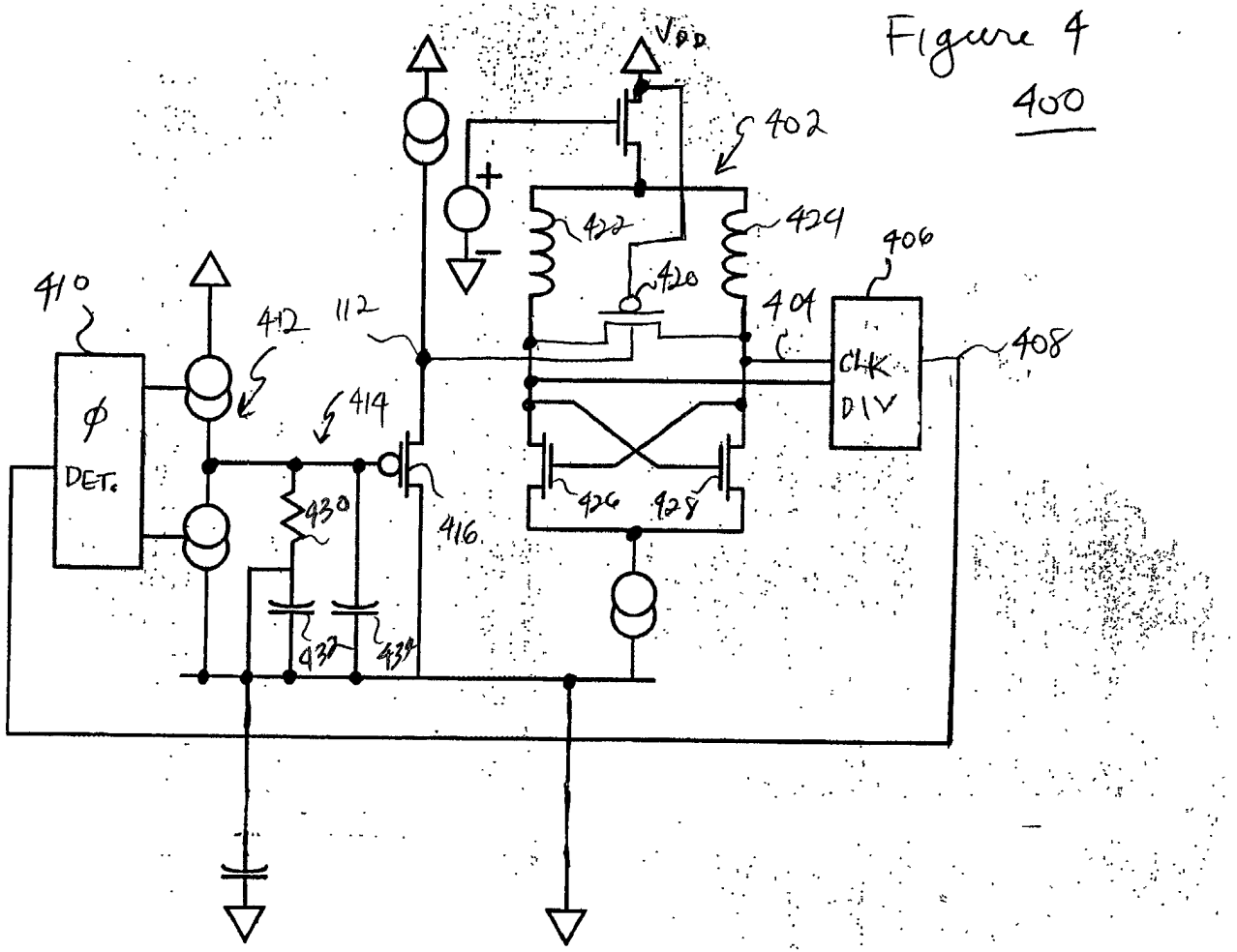

V_{DD}
402
422
424
406
420
410
412
112
404
408
414
CLK
DIV
ϕ
DET.
416
426
428
430
432
434

Figure 4

400

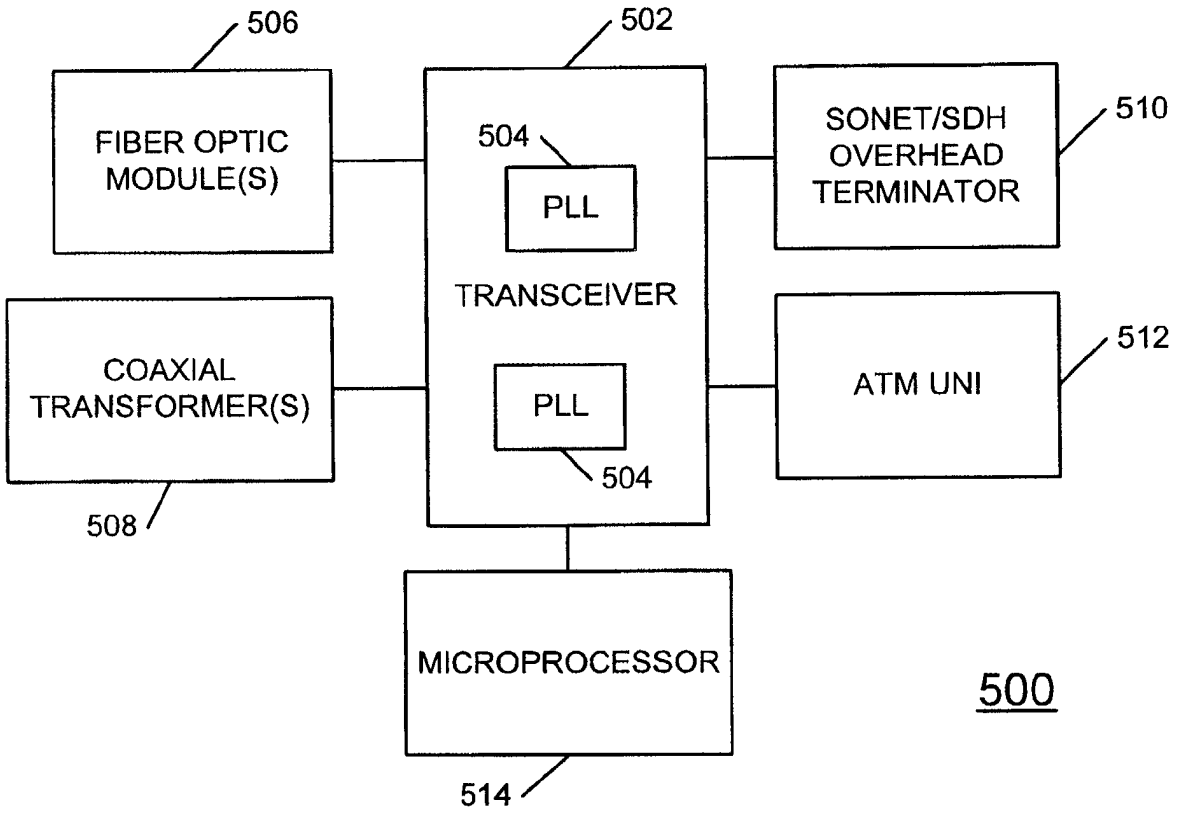
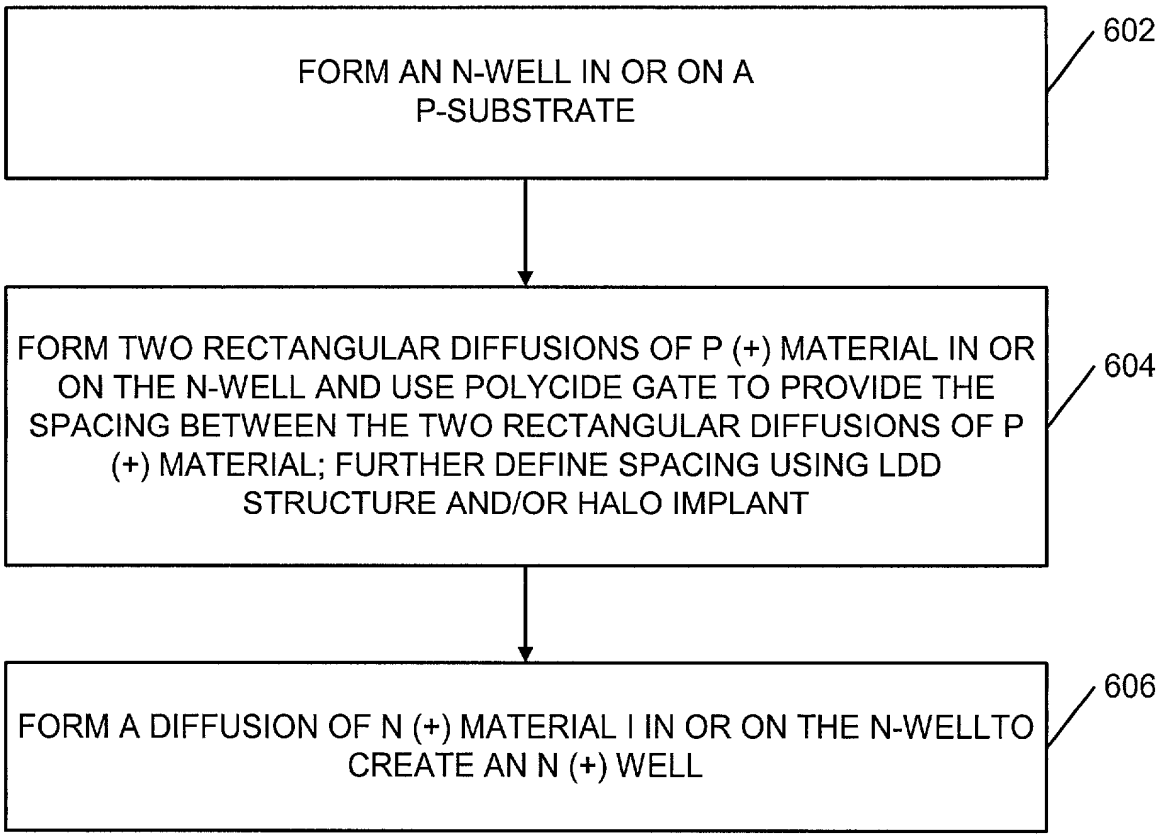

506
502
FIBER OPTIC MODULE(S)
504
PLL
TRANSCEIVER
SONET/SDH OVERHEAD TERMINATOR
510
COAXIAL TRANSFORMER(S)
PLL
504
ATM UNI
512
508
MICROPROCESSOR
514
500

FIGURE 5


FORM AN N-WELL IN OR ON A P-SUBSTRATE
602
FORM TWO RECTANGULAR DIFFUSIONS OF P (+) MATERIAL IN OR ON THE N-WELL AND USE POLYCIDE GATE TO PROVIDE THE SPACING BETWEEN THE TWO RECTANGULAR DIFFUSIONS OF P (+) MATERIAL; FURTHER DEFINE SPACING USING LDD STRUCTURE AND/OR HALO IMPLANT
604
FORM A DIFFUSION OF N (+) MATERIAL I IN OR ON THE N-WELLTO CREATE AN N (+) WELL
606

600

FIGURE 6